

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

PCT

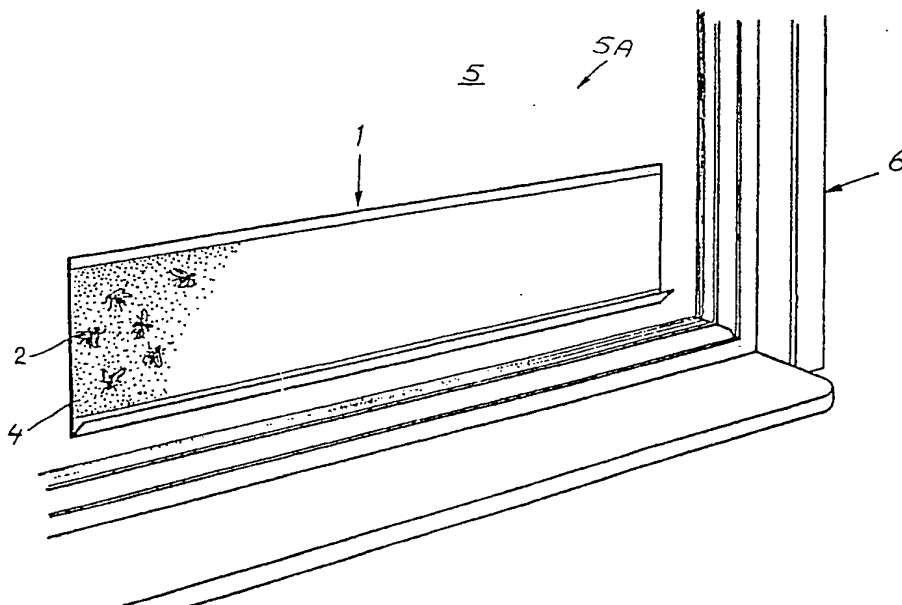
WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁴ : A01M 1/14</p>	<p>A1</p>	<p>(11) International Publication Number: WO 87/ 02863 (43) International Publication Date: 21 May 1987 (21.05.87)</p>
<p>(21) International Application Number: PCT/SE86/00504 (22) International Filing Date: 5 November 1986 (05.11.86) (31) Priority Application Number: 8505220-7 (32) Priority Date: 6 November 1985 (06.11.85) (33) Priority Country: SE (71) Applicant (for all designated States except US): SILVA MILJÖ AB [SE/SE]; Box 56, S-310 20 Knäred (SE). (72) Inventor; and (75) Inventor/Applicant (for US only) : SILVANDERSSON, Åke [SE/SE]; Pramvägen 13, S-310 20 Knäred (SE). (74) Agent: LINDBERG, Bo; Cederbom & Lindberg AB, Box 53252, S-400 16 Göteborg (SE).</p>		<p>(81) Designated States: AT, AT (European patent), AU, BB, BE (European patent), BG, BR, CH, CH (European patent), DE, DE (Utility model), DE (European patent), DK, FI, FR (European patent), GB, GB (European patent), HU, IT (European patent), JP, KP, KR, LK, LU, LU (European patent), MC, MG, MW, NL, NL (European patent), NO, RO, SD, SE (European patent), SU, US. Published With international search report. In English translation (filed in Swedish).</p>

(54) Title: INSECT TRAP



(57) Abstract

An insect trap (1) containing a frame (3) provided with an insect-holding adhesive substance (4) and capable of being placed in a desired position. The trap allows insects to be trapped effectively. The frame (3) is transparent, at least to a certain degree, and exhibits a part which permits the installation of the trap (1) in a desired position, for example in a window (6) on its glass (5).

Insect trap

The present invention relates to an insect trap containing a frame provided with an insect-holding adhesive substance and capable of being placed in a desired position.

5 The principal object of the present invention is to make available a trap of the kind indicated above which permits the effective catching of flies and other unpleasant insects which it is wished to keep out of homes and other specific areas.

10 Said object is achieved by means of a trap in accordance with the present invention, which is characterized essentially in that the frame is transparent, at least to a certain degree, and exhibits a part which permits the installation of the trap in a desired position.

15 The invention is described below as a preferred illustrative embodiment, in conjunction with which reference is made to the drawings, in which:

Fig. 1 shows a perspective view of the trap in an application phase;

Fig. 2 shows the rear side of the trap;

20 Fig. 3 shows a section through the trap; and

Fig. 4 shows the front side of the trap.

A trap 1 arranged in accordance with the present invention for the purpose of catching and retaining undesired insects, such as flies 2, wasps and mosquitos, etc., contains a frame (3) which is made of a completely transparent or partially transparent appropriately slightly tinted material, such as a piece of plastic or a similar material. The piece of plastic 3 may consist of a strip or a sheet with some other suitable form.

25 The frame 3 is coated, for example on one of its sides 3A, with an adhesive substance 4 which permits the effective catching and retaining of the insects 2 in question which come into contact with said insect-holding adhesive substance 4. This adhesive substance 4 should be non-toxic and thus harmless to humans and pets, but should exhibit a sound adhesive capacity to
35 the insects 2.

For the purpose of being able, amongst other

things, to catch any liquid adhesive substance 4 which may have been caused to melt from the frame 3, for example by the heat of the sun, and to prevent the messing and dirtying of the place in which the trap 1 is positioned, preferably the inside 5A of a glass pane 5 of a window 6 or some other covering element, the frame 3 exhibits a channel 8 or similar catchment component angled away from the lower edge part 7 of the frame. This channel 8 can be formed by the lower edge part 7 of the frame being folded upwards, as shown by way of example in Fig. 3.

The trap 1 also exhibits a part 9 which permits the trap 1 to be applied in the desired place, for example on a glass pane 5. This application part 9 can be formed by a strip of adhesive 10 or some other appropriate adhesive substance, which is capable of being attached to a surface 5A, and which, for example, extends along preferably the upper edge 11 of the frame on that side 3B of the frame 3 which is free of the insect-holding adhesive substance. This adhesive, etc., 10 should be of such a kind as is easily removed from undesired places, appropriately using water.

Said insect traps 1 arranged in the form of strips are preferably covered by, for example, an easily removable siliconized protective layer 12 and 13 over the strip of adhesive 10 and the insect-holding adhesive substance 4, for the purpose of, amongst other things, preventing the unintentional sticking together of the traps 1 one to the other or to some other undesired object.

After removing the protective layer 12 from a trap 1, the trap 1 is then capable, thanks to the strip of adhesive 10, for example, of being attached easily to a pane of glass 5, for example. After removing the additional protective layer 13, the trap is ready to be used. Thanks to the fact that the frame 3 is transparent, at least to a certain degree, insects 2 will not notice that the trap 1 is attached to the window pane 5 or in some other suitable position, but will, as they fly into the pane 5 and the light outside the window or into the light behind the trap, become stuck to the adhesive substance 4. When the trap is

considered to have served its purpose, it is easily pulled from the pane 5 and thrown away, to be replaced by a new trap 1.

The invention is not restricted to the illustrative embodiment described above and illustrated in the drawings, but
5 may be varied within the scope of the Patent Claims without departing from the idea of invention.

10

15

20

25

30

35

Patent Claims

1. An insect trap containing a frame (3) provided with an insect-holding adhesive substance (4) and capable of being placed in a desired position, characterized in that the frame (3) is transparent, at least to a certain degree, and exhibits a section (10) which permits the installation of the trap (1) in a desired position.
2. A trap according to Patent Claim 1, characterized in that the frame (3) is made of a completely transparent material.
3. A trap according to Patent Claim 1, characterized in that the frame (3) is made of a partially transparent material.
4. A trap according to Patent Claim 3, characterized in that the frame (3) is made of a slightly tinted material.
5. A trap according to any of the above Patent Claims, characterized in that the frame (3) is in a single piece formed from plastic or a similar material.
6. A trap according to Patent Claim 5, characterized in that the piece of plastic making up the frame (3) consists of a strip or a sheet with some other form.
7. A trap according to any of the above Patent Claims 5-6, characterized in that the piece of plastic making up the frame (3) exhibits a channel (8) or similar suitable for catching insect-holding adhesive angled away from its lower part (7).
8. A trap according to any of the above Patent Claims characterized in that the application part (10) is formed by the adhesive (10) present on the side (3B) which is free of the insect-holding adhesive substance (4) or by some other adhesive means of attachment to a surface.
9. A trap according to Patent Claim 8, characterized in that a strip of adhesive (10) or similar extends along preferably the upper edge (11) of the frame, and in that said strip of adhesive (10) and the insect-holding adhesive substance

(4) are preferably covered by a removable siliconized layer (12; 13).

10. The application of an insect trap according to any of the above Patent Claims, characterized in that the trap (1) is attached to the glass pane (5) of a window or some other covering element.

10

15

20

25

30

35

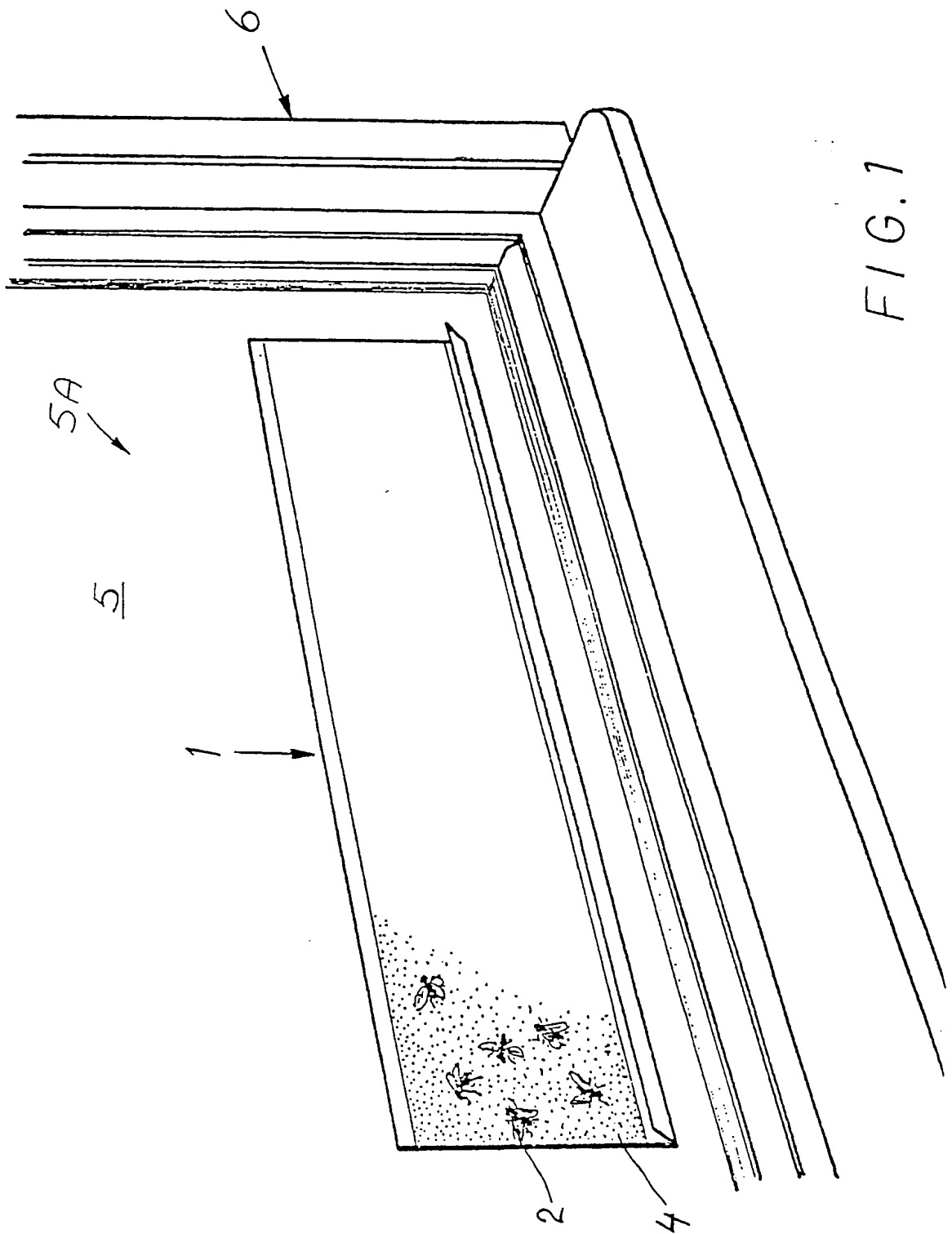


FIG. 1

